

ABSTRACT

A device of digital TV receiver including an A/D converter for converting an analog signal into a digital passband signal, a carrier recovery for converting the digital passband signal into a digital baseband signal, and a symbol clock recovery for calculating the digital passband real/imaginary signals of the A/ D converter or the digital baseband real/imaginary signals of the carrier recovery, detecting timing error information, and generating and outputting two times the frequency of the symbol clock recovered from the detected timing error information is disclosed.